

Regional HIV/AIDS Epidemiologic Profile of Central HSR, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Central HSR, Massachusetts

	N	%
People Living with HIV/AIDS	1,518	60%
People Reported with HIV or AIDS who are Deceased	997	40%
Total Number of People Reported with HIV Infection or AIDS	2,515	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Central HSR, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Central HSR, MA	9 per 100,000	76
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Central HSR, MA	188 per 100,000	1,519
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Central HSR, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,149	40	95
2000	1,208	31	90
2001	1,234	41	67
2002	1,300	43	109
2003	1,367	36	103
2004	1,414	38	85
2005	1,454	33	73
2006	1,497	26	69

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Central HSR, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	142	63%	943	62%
Female	85	37%	576	38%
Place of Birth:	N	%	N	%
US	116	51%	964	63%
Puerto Rico/US Dependency ²	37	16%	306	20%
Non-US	74	33%	249	16%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	83	37%	673	44%
Black (non-Hispanic)	76	33%	323	21%
Hispanic	65	29%	503	33%
Other/Undetermined ³	3	1%	20	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	53	23%	317	21%
Injection Drug Use (IDU)	50	22%	517	34%
MSM/IDU	2	1%	44	3%
Heterosexual Sex	34	15%	264	17%
Other	2	1%	59	4%
Total Undetermined	86	38%	318	21%
• Presumed Heterosexual Sex ⁴	70	31%	257	17%
• Undetermined ⁵	16	7%	61	4%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	1	<1%	10	1%
13 to 19	6	3%	25	2%
20 to 24	19	8%	19	1%
25 to 29	19	8%	51	3%
30 to 34	31	14%	97	6%
35 to 39	37	16%	196	13%
40 to 44	40	18%	300	20%
45 to 49	37	16%	347	23%
50 to 54	16	7%	247	16%
55 to 59	8	4%	115	8%
60+	13	6%	112	7%
Total	227	100%	1,519	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Central HSR, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	472	50%	201	35%
Black Non-Hispanic	165	17%	158	27%
Hispanic	292	31%	211	37%
Other/Undetermined ¹	14	1%	6	1%
Total	943	100%	576	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Central HSR, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	317	34%	N/A	N/A
Injection drug use (IDU)	321	34%	196	34%
MSM/IDU	44	5%	N/A	N/A
Heterosexual sex	71	8%	193	34%
Other	36	4%	23	4%
Total Undetermined	154	16%	164	28%
• Presumed heterosexual sex ¹	117	12%	140	24%
• Undetermined ²	37	4%	24	4%
Total	943	100%	576	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Central HSR, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	1,225	68%	575	32%	1,800
1999	62	65%	33	35%	95
2000	59	66%	31	34%	90
2001	48	72%	19	28%	67
2002	64	59%	45	41%	109
2003	54	52%	49	48%	103
2004	48	56%	37	44%	85
2005	52	71%	21	29%	73
2006 ²	42	61%	27	39%	69

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Central HSR, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	953	53%	226	13%	611	34%	10	1%	1,800
1999	40	42%	18	19%	35	37%	2	2%	95
2000	38	42%	23	26%	29	32%	0	0%	90
2001	27	40%	14	21%	23	34%	3	4%	67
2002	38	35%	34	31%	34	31%	3	3%	109
2003	39	38%	34	33%	27	26%	3	3%	103
2004	34	40%	28	33%	23	27%	0	0%	85
2005	31	42%	20	27%	21	29%	1	1%	73
2006 ³	18	26%	28	41%	21	30%	2	3%	69

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Central HSR, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	1,294	72%	420	23%	86	5%	1,800
1999	59	62%	20	21%	16	17%	95
2000	51	57%	21	23%	18	20%	90
2001	34	51%	13	19%	20	30%	67
2002	60	55%	16	15%	33	30%	109
2003	56	54%	17	17%	30	29%	103
2004	46	54%	13	15%	26	31%	85
2005	39	53%	13	18%	21	29%	73
2006 ³	31	45%	11	16%	27	39%	69

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Central HSR, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	395	22%	870	48%	75	4%	245	14%	86	5%	97	5%	32	2%	1,800
1999	11	12%	36	38%	5	5%	20	21%	1	1%	18	19%	4	4%	95
2000	24	27%	18	20%	1	1%	22	24%	4	4%	20	22%	1	1%	90
2001	14	21%	16	24%	1	1%	18	27%	0	0%	14	21%	4	6%	67
2002	18	17%	25	23%	2	2%	14	13%	3	3%	35	32%	12	11%	109
2003	21	20%	19	18%	4	4%	15	15%	4	4%	31	30%	9	9%	103
2004	15	18%	23	27%	1	1%	13	15%	1	1%	24	28%	8	9%	85
2005	22	30%	17	23%	1	1%	8	11%	1	1%	20	27%	4	5%	73
2006 ⁴	16	23%	10	14%	0	0%	13	19%	0	0%	26	38%	4	6%	69

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Central HSR, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	23	95	24%
2000	21	90	23%
2001	22	67	33%
2002	32	109	29%
2003	25	103	24%
2004	24	85	28%
2005	23	73	32%
2006	24	69	35%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Central HSR, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	53	142	37%
Female	18	85	21%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	28	83	34%
Black (non-Hispanic)	22	76	29%
Hispanic	19	65	29%
Other/Undetermined ²	2	3	67%
Place of Birth:	N	N	%
US	33	116	28%
Puerto Rico/US Dependencies ³	12	37	32%
Non-US	26	74	35%
Total	71	227	31%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08